

We Claim:-

1. Imaging apparatus comprising a record medium support
5 on which a record medium is mounted in use; a radiation
beam generator for generating a radiation beam modulated
with imaging data which is directed towards the support; a
system for causing relative scanning movement between the
beam and the support; and a detection system for detecting
10 radiation emitted from the support or record medium in
response to incident radiation from the radiation beam
generator, the emitted radiation having a different
wavelength from the incident radiation, so as to monitor
for a change in intensity of the detected radiation
15 indicative of the passage of the record medium edge.
2. Apparatus according to claim 1, wherein the radiation
beam generator is operable in an edge detection mode and in
an imaging mode, the intensity of the radiation beam in the
edge detection mode being less than that in the imaging
20 mode.
3. Apparatus according to claim 2, wherein the radiation
beam generator is responsive to the detection of a change
in intensity of emitted radiation detected by the detection
system to switch between the edge detection and imaging
25 modes.
4. Apparatus according to claim 1, wherein the emitted
radiation is one of fluorescent, Raman and anti-Raman
radiation.
5. Apparatus according to claim 1, further comprising an
30 optical system for guiding the imaging radiation to the
support, the optical system also being adapted to guide the
emitted radiation to the detection system.
6. Apparatus according to claim 5, wherein the optical
system includes a wavelength splitter for diverting the
35 emitted radiation to the detection system.

7. Apparatus according to claim 1, wherein the apparatus comprises one of a flat bed, internal, and external drum scanner.

8. Apparatus according to claim 1, wherein the support is
5 fluorescent.

9. Apparatus according to claim 1, wherein the support is not fluorescent.

10. Apparatus according to claim 1, further comprising a record medium on the support.

10 11. Apparatus according to claim 9, wherein the record medium exhibits a higher intensity fluorescence than the support when exposed to radiation from the radiation beam generator.

12. A method of detecting the location of an edge of a
15 record medium on a support, the method comprising scanning a radiation beam across the support; monitoring radiation emitted from the support and record medium having a wavelength different from the radiation beam; and determining the location of the record medium edge when a
20 change in intensity of emitted radiation is detected.

13. A method according to claim 12, further comprising modulating the radiation beam with imaging data when it scans across the record medium.

14. A method according to claim 12, wherein the emitted
25 radiation is one of fluorescent, Raman and anti-Raman radiation.

15. A method according to claim 12, wherein the support comprises one of a flat bed, internal, and external drum.

16. A method according to claim 12, wherein the support is
30 not fluorescent.

17. A method according to claim 12, wherein the support is less fluorescent than the record medium.

18. A method according to claim 12, wherein the support is more fluorescent than the record medium.